Index of Claims

| Application/Control | No. |
|---------------------|-----|
|---------------------|-----|

10/706,968

Examiner

Chuong A. Luu

Applicant(s)/Patent under Reexamination

WETZEL ET AL.

Art Unit

2818

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ţ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla                    | aim      | Date     |          |          |          |          |          | Claim Date |           |          |   |                        | ١        | C                                      | laim      | Date     |           |  |          |          |        |          |          |                |  |          |          |          |          |          |               |          |
|------------------------|----------|----------|----------|----------|----------|----------|----------|------------|-----------|----------|---|------------------------|----------|--|-----------|----------|-----------|--|----------|----------|--------|----------|----------|----------------|--|----------|----------|----------|----------|----------|---------------|----------|
|                        |          | 9        | П        |          | Т        | T        |          |            |           |          |   |                        | =        |  | Ī         |          |           |  | Ĭ        |          | 7      |          |          |                |  |          |          |          |          |          | - 1           | П        |
| Final                  | Original | 11/22/06 |          |          |          |          | i        |            |           |          |   | Final                  | Original |  |           | -        |           |  |          |          |        | <u> </u> | Original |                |  |          | 1        |          |          | ı l      |               |          |
| 一造                     | Ē        | 12       |          |          |          |          | ŀ        |            |           |          |   | Ë                      | ij       | ]                                      |           |          |           |  |          |          |        | Final    | Ē        |                |  |          |          |          |          | . 1      |               |          |
|                        | 0        | -        |          |          |          |          |          |            |           |          |   |                        | O        |  |           |          |           |  |          |          |        |          | 0        |                |  |          |          |          |          | ıl       | -             |          |
|                        | 1        | -        |          | $\neg$   |          | $\neg$   |          |            |           |          |   |                        | 51       |  | 1         | $\neg$   |           | $\Box$   |          | $\neg$   | 1      |          | 101      | _              | П  |          |          |          |          | $\dashv$ | $\neg$        | ┪        |
|                        | 2        | -        |          | ヿ        |          |          | _        |            |           |          |   |                        | 52       | $\Box$                                 | 十         | $\neg$   | $\top$    | $\Box$   |          |          | 1      |          | 102      |                |  |          |          |          |          | $\neg$   | $\neg$        | ⊣        |
|                        | 3        | -        | $\Box$   | T        | 寸        | $\neg$   | _        |            | Ì         |          |   | _                      | 53       |  | ╅         | _        | 1         |  | _        | _        | 1      |          | 103      |                | П  |          |          |          |          |          | $\dashv$      | ⊣        |
|                        | 4        | ·        |          |          |          |          |          |            |           |          |   |                        | 54       |  | 十         | _        | $\top$    | П  | T        |          | 1      |          | 104      |                | П  |          |          |          |          | $\dashv$ | 寸             | ┪        |
|                        | 5        | -        |          |          | $\dashv$ |          |          |            |           |          |   |                        | 55       | $\Box$                                 | 7         |          | 1         | П  | 7        | $\dashv$ | 1      |          | 105      |                | П  |          |          |          |          | $\Box$   | ヿ             | ヿ        |
|                        | 6        | -        |          |          | 寸        | $\neg$   | $\neg$   |            |           |          |   |                        | 56       | $\Box$                                 | _         |          | 1         |  | 寸        | $\dashv$ | 1      |          | 106      |                |  |          |          |          |          | $\neg$   | $\dashv$      | ヿ        |
|                        | 7        | -        |          |          | T        | $\neg$   | $\neg$   |            |           |          |   |                        | 57       | П                                      |           |          |           |  | $\neg$   |          | 1      |          | 107      |                | П  |          |          |          | П        | $\neg$   | $\exists$     | ヿ        |
|                        | 8        | -        |          |          | 寸        | $\neg$   |          |            |           |          |   |                        | 58       | П                                      | $\top$    |          | 1         |  | 寸        |          | 1      |          | 108      |                | П  |          |          |          |          | $\neg$   | コ             | ヿ        |
|                        | 9        | -        | $\Box$   |          | 寸        | ヿ        |          |            |           |          |   |                        | 59       | П                                      | _         |          | 1         |  |          |          | ۱      |          | 109      | -              | П  |          |          |          |          | 一        | $\neg$        | $\neg$   |
|                        | 10       | -        |          |          |          |          |          |            |           |          |   |                        | 60       |  | ┪         |          | 1         |  | 寸        | $\top$   | 1      | $\vdash$ | 110      |                | П  |          |          |          |          | T        | 寸             | ╗        |
|                        | 11       | -        |          | $\neg$   | 寸        | 寸        |          |            |           |          |   |                        | 61       |  | $\dashv$  |          | 1         | П  | $\dashv$ | $\top$   | 1      |          | 111      |                | П  |          |          |          | П        | 寸        | $\dashv$      | $\dashv$ |
|                        | 12       | -        |          |          | 寸        | _        |          |            |           |          | Ш |                        | 62       | $\Box$                                 | $\dashv$  | $\dashv$ | 1         | П  | $\neg$   | $\dashv$ | 1      |          | 112      |                | П  | $\neg$   | $\dashv$ | $\neg$   | Н        | ヿ        | 寸             | ヿ        |
|                        | 13       | -        |          | 7        | 一        | $\neg$   | _        | М          | $\Box$    |          |   |                        | 63       | $\Box$                                 | $\top$    |          | $\dagger$ | П  | $\dashv$ | +        | 1      |          | 113      |                | Н  |          | $\vdash$ |          | Н        | $\dashv$ | $\dashv$      | $\dashv$ |
|                        | 14       | -        |          | $\neg$   | $\dashv$ | $\neg$   | $\neg$   |            |           |          |   |                        | 64       | $\sqcap$                               | $\dashv$  | $\top$   | 1         | П  | $\dashv$ | 十        | 1      |          | 114      |                | П  | П        |          |          | -        | $\neg$   | ᅥ             | $\dashv$ |
|                        | 15       | -        | $\Box$   | $\dashv$ | $\dashv$ | 7        |          | $\vdash$   |           | _        |   |                        | 65       | Н                                      | $\top$    | $\top$   | $\top$    | Н  | 一        | $\top$   | 1      |          | 115      |                | М  |          |          |          | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| 1                      | 16       | =        | $\sqcap$ | $\dashv$ | -        | $\dashv$ | $\neg$   | Н          |           |          |   |                        | 66       | $\Box$                                 | 7         | ┪        | T         | Н  | $\dashv$ | $\dashv$ | 1      |          | 116      |                | $\vdash$   |          | $\dashv$ | $\vdash$ |          | $\dashv$ | $\dashv$      | $\dashv$ |
| 2                      | 17       | =        | $\vdash$ | 十        | $\dashv$ | 一        | $\neg$   |            |           | _        |   | $\Box$                 | 67       | $\vdash$                               | $\dashv$  | $\dashv$ | T         | $\Box$   | _        | $\dashv$ | 1      |          | 117      | Н              | Н  | $\vdash$ | Н        | $\neg$   | Н        | $\dashv$ | $\dashv$      | $\dashv$ |
| 3                      | 18       | =        |          |          | $\dashv$ | 寸        | $\dashv$ |            |           |          |   |                        | 68       | Н                                      | $\top$    | $\top$   | +         | H  | 寸        | $\dashv$ | 1։։։   |          | 118      | Н              | Н  |          |          |          |          | -1       | $\dashv$      | -        |
| 4                      | 19       | =        | $\vdash$ |          | $\dashv$ | 寸        | $\dashv$ |            |           |          |   |                        | 69       |  | +         | $\pm$    | +         |  | _        | $\dashv$ | 1      |          | 119      |                | $\vdash$   |          |          |          | $\vdash$ | $\dashv$ | ᅥ             | ᅥ        |
|                        | 20       | -        | $\vdash$ |          | _        | _        | 一        | П          | Ħ         | _        |   |                        | 70       |  | +         | _        | +-        |  | $\dashv$ | $\dashv$ | ┧      |          | 120      |                |  |          | -        | -        |          | $\dashv$ | $\dashv$      | 一        |
|                        | 21       | -        | Н        | $\dashv$ | $\dashv$ | $\neg$   | _        |            |           | $\neg$   |   |                        | 71       | Н                                      | $\top$    | +        | +         | Н  | _        | $\dashv$ | ┨      | _        | 121      | $\vdash$       | Н  |          |          |          |          | $\neg$   | ᅥ             | ᅱ        |
| 5                      | 22       | =        | $\vdash$ | _        | 十        | 7        |          | $\vdash$   | $\dashv$  | _        |   | $\vdash$               | 72       | Н                                      | $\top$    | +        | +         |  | -        |          | ┨      |          | 122      | Н              | Н  |          |          |          |          | $\dashv$ | ᅥ             | $\dashv$ |
| ۲                      | 23       |          | $\dashv$ | _        | $\dashv$ | _        |          | H          | _         | _        |   |                        | 73       | H                                      | $\dashv$  | $\dashv$ | +         | H  | +        |          | ┧᠁     |          | 123      |                | Н  | -        | $\neg$   |          | _        | $\dashv$ | $\dashv$      | 一        |
|                        | 24       | ┝        | $\dashv$ | $\dashv$ | 十        | $\dashv$ | ᅥ        | -          | $\exists$ | _        |   |                        | 74       | H                                      | ╅         | 十        | +         | $\vdash$   | -        | $\dashv$ | 1      |          | 124      | Н              | H  |          | $\neg$   | _        | _        | $\neg$   | 一             | ᅥ        |
|                        | 25       | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |            |           |          |   |                        | 75       |  | _         |          | +         |  | +        | -        | 1      |          | 125      | -              | H  | $\dashv$ | -        | _        |          | $\dashv$ | $\dashv$      | ᅥ        |
|                        | 26       | H        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | Н          | $\dashv$  | -        |   |                        | 76       | Н                                      | +         | +        | +         | $\vdash$   | $\dashv$ | $\dashv$ | -      |          | 126      | Н              | Н  | -        | -        | -        | -        | $\dashv$ | -+            |          |
|                        | 27       | -        | -        | _        | -        | $\dashv$ | 一        | $\vdash$   | $\dashv$  | _        |   |                        | 77       | H                                      | $\dagger$ | $\dashv$ | +-        | ╁╌┼  | 7        | $\dashv$ | ┨      | -        | 127      | Н              | Н  |          | $\neg$   | _        | -        |          | ᅱ             | ᅥ        |
|                        | 28       | -        | $\vdash$ | _        | -+       | $\dashv$ | -1       | $\vdash$   |           | _        |   |                        | 78       | H                                      | +         | $\dashv$ | +         | $\vdash$   | -        |          | ┨Ш     |          | 128      | $\vdash$       | Н  |          |          |          |          |          | $\dashv$      | ᅱ        |
| <u> </u>               | 29       | -        | $\dashv$ | $\dashv$ | 7        | +        | -        |            | $\dashv$  | _        |   |                        | 79       | $\vdash$                               | +         | $\top$   | +         | -  | -+       |          | -      |          | 129      | Н              | Н  | $\vdash$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$      | ᅥ        |
| -                      | 30       | -        | $\dashv$ | $\dashv$ | +        | ┪        |          | $\vdash$   | -         | $\dashv$ |   |                        | 80       | $\vdash$                               | +         | +        | +         | $\vdash$   | $\dashv$ |          | -      | _        | 130      | Н              | Н  | $\vdash$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$      | ᅱ        |
| <u> </u>               | 31       | -        | $\dashv$ | 十        | 7        | -+       | -        |            |           |          |   |                        | 81       | H                                      | +         | +-       | +         |  | $\dashv$ | $\dashv$ | ┧      |          | 131      | $\vdash$       | H  |          | $\neg$   | _        |          | $\neg$   | $\rightarrow$ | 一        |
|                        | 32       | -        | $\vdash$ | 十        | +        | _        |          |            | $\neg$    | ᅥ        |   |                        | 82       | $\vdash$                               | $\dashv$  |          | +-        | $\vdash$   | $\dashv$ |          | 1      | _        | 132      | H              | H  | $\neg$   |          | -        | -        | -        | $\dashv$      | $\dashv$ |
|                        | 33       | -        | $\dashv$ | 十        | $\dashv$ | +        | _        | $\vdash$   |           | $\dashv$ |   |                        | 83       | H                                      | 十         |          | +-        | $\vdash$   | $\dashv$ | $\dashv$ | ┨Ш     |          | 133      | $\vdash$       | H  |          | $\neg$   | -        |          | -        | $\dashv$      | 一        |
|                        | 34       | -        | $\vdash$ | $\dashv$ | $\dashv$ | 7        |          | $\dashv$   | -         | -        |   |                        | 84       | $\vdash$                               | 十         | +        | +         | $\vdash$   | $\dashv$ | $\dashv$ | 1      |          | 134      | H              | $\vdash$   | $\dashv$ | $\vdash$ |          | H        | $\dashv$ | $\dashv$      | $\dashv$ |
| $\vdash$               | 35       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$  | ᅥ        |   |                        | 85       | $\vdash$                               | +         | +        | +         | H  | $\dashv$ |          | 1      | _        | 135      | $\vdash$       | $\vdash$   |          | $\vdash$ |          | H        | $\dashv$ | $\dashv$      | $\dashv$ |
| 6                      | 36       | =        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$   | -         | -        |   |                        | 86       | $\vdash$                               | $\dashv$  | +        | +         | H  | $\dashv$ | $\dashv$ | 1      |          | 136      | $\vdash$       | $\vdash$   | $\dashv$ | -        | $\dashv$ | Н        | $\dashv$ | $\dashv$      | $\dashv$ |
| 7                      | 37       | =        | $\vdash$ | $\dashv$ | +        | +        | _        | $\dashv$   | $\dashv$  |          |   |                        | 87       | $\vdash$                               | $\dashv$  | +        | t         | H  | $\dashv$ | $\dashv$ | 1      |          | 137      | $\vdash$       | $\vdash$   | -        |          |          | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| 8                      | 38       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |            | -         | ᅱ        |   | $\vdash$               | 88       | $\vdash \vdash$                        | +         | - -      | +-        | <del>                                     </del> | -+       |          | 1      | -        | 138      | $\vdash$       | $\vdash$   | $\dashv$ | $\vdash$ | -        | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| 9                      | 39       | =        | $\dashv$ | 十        | 十        | -        | -        | $\dashv$   | $\dashv$  | $\dashv$ |   | -                      | 89       | H                                      | +         | +        | +-        | $\vdash$   | $\dashv$ | $\dashv$ | 1      |          | 139      | Н              | $\vdash \vdash$                                  | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| 10                     | 40       | =        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        |            | $\dashv$  | ᅱ        |   | $\vdash \vdash \vdash$ | 90       | Н                                      | $\dashv$  | ┰        | +         | $\vdash \vdash$                                  | $\dashv$ | +        | 1      | -        | 140      | Н              | <del>                                     </del> | $\dashv$ | $\vdash$ |          | $\vdash$ | -+       | $\dashv$      | $\dashv$ |
| <u> </u>               | 41       | Ē        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$  | $\dashv$ |   |                        | 91       | $\vdash$                               | +         | +        | +         |  | $\dashv$ | +        | 1      |          | 141      | $\vdash$       | $\vdash$   | -        | $\dashv$ | -        | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| $\vdash$               | 42       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -          | $\dashv$  | $\dashv$ |   | $\vdash \vdash$        | 92       | $\vdash$                               | +         | +        | +         | $\vdash \vdash$                                  | $\dashv$ | +        | 1      |          | 142      | Н              | $\vdash$   | $\dashv$ | $\dashv$ | -        | $\vdash$ | -+       | $\dashv$      | $\dashv$ |
| <b></b>                | 43       | _        | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        |            | $\dashv$  | $\dashv$ |   | $\vdash$               | 93       | $\vdash$                               | +         |          | +         | $\vdash$   | $\dashv$ | $\dashv$ | -      |          | 143      | $\vdash$       | $\vdash$   | -        |          |          | Н        | -+       | $\dashv$      | ᅱ        |
| <u> </u>               | 44       |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |            | $\dashv$  | $\dashv$ |   | $\vdash \vdash \vdash$ | 94       | $\dashv$                               | +         | +        | +         | $\vdash$   | $\dashv$ | +        | -      |          | 144      | Н              | $\vdash \vdash$                                  |          | -        | $\neg$   | H        | $\dashv$ | $\dashv$      | $\dashv$ |
| $\vdash \vdash$        | 45       | -        | +        | 十        | 十        | $\dashv$ | +        |            | $\dashv$  | -        |   |                        | 95       | $\vdash$                               | +         | +        | +-        | ┝╼┤  | -+       | +        | -      |          | 145      | $\vdash$       | $\vdash$   | -        |          |          | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |
| <u> </u>               | 46       |          | -        | +        | $\dashv$ | $\dashv$ | +        | -          | $\dashv$  | $\dashv$ |   |                        | 96       | $\dashv$                               |           | +        | +         |  | -+       | +        | 1      |          | 146      | Н              | $\vdash$   |          |          |          | $\vdash$ | -+       | $\dashv$      | $\dashv$ |
| $\vdash \vdash \vdash$ | 47       |          | 十        | $\dashv$ | -+       | +        | -+       |            | -+        | ᅱ        |   |                        | 97       | $\vdash$                               | $\dashv$  | +        | +         | $\vdash \vdash$                                  | $\dashv$ | +        | 1      |          | 147      | $\vdash$       | $\vdash \vdash$                                  | $\dashv$ |          | $\dashv$ | $\vdash$ | -+       | $\dashv$      | $\dashv$ |
|                        | 48       | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$   | $\dashv$  | ᅱ        |   | $\vdash$               | 98       | $\dashv$                               | +         | +        | +-        | $\vdash$   | -+       | +        | 1      |          | 148      | $\vdash\vdash$ | $\vdash$   | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | -+            | $\dashv$ |
|                        | 49       |          | $\dashv$ | $\dashv$ | $\dashv$ | 十        | $\dashv$ | $\dashv$   | $\dashv$  | ᅱ        |   |                        | 99       | $\dashv$                               | +         | +        | +         | $\vdash \vdash$                                  | $\dashv$ | +        | 1      |          | 149      | Н              | $\vdash$   | -        | -        | -        | $\vdash$ |          | $\dashv$      | ᅱ        |
| _                      | 50       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$  | $\dashv$ |   |                        | 100      | $\dashv$                               | ┰         | +        | +         | $\vdash$   | $\dashv$ | +        | 1      |          | 150      | $\vdash$       | $\vdash \vdash$                                  | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | $\dashv$      | $\dashv$ |
| لــــا                 | JU       |          |          | L        |          |          |          |            |           |          |   |                        | 100      | ــــــــــــــــــــــــــــــــــــــ |           | Ļ        |           | ᆜ  |          |          | اننندا | L        | 130      | $\Box$         | Щ  |          |          |          |          | ᆚ        | _             |          |